

Notice of Allowability

Application No.

10/518,673

Examiner

Nguyen T. Ha

Applicant(s)

KOBAYASHI ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/22/2005.
2. ☒ The allowed claim(s) is/are 1-7.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

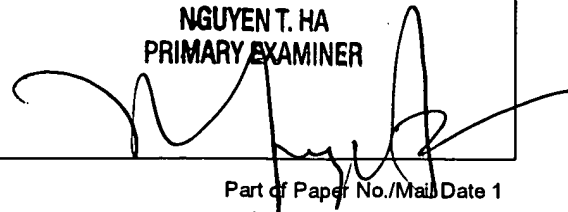
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☒ Notice of References Cited (PTO-892) •
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), •
Paper No./Mail Date 0905
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
- ☐ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____

NGUYEN T. HA
PRIMARY EXAMINER



DETAILED ACTION

Allowable Subject Matter

1. Claims 1-7 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1-6, the prior art alone or in combination does not teach the limitation of a solid electrolytic capacitor comprising an anode lead electrode having a valve metal body whose one end portion region is bonded to the at least one end portion region of the foil-like valve metal substrate so that electrical connection can be established between the valve metals and a first conductive metal substrate whose one end portion region is bonded to the other end portion region of the foil like valve metal substrate so that electrical connection can be established between the metals, and an cathode lead electrode being formed by drawing out a part of a second conductive metal substrate connected to one surface of the conductive layer formed on the foil-like valve metal substrate in a direction parallel to the anode lead electrode.

With respect to claim 7, the prior art alone or in combination does not teach the limitation of a method for manufacturing a solid electrolytic capacitor comprising the steps of: bonding one end portion region of a valve metal body to at least one end portion region of a foil-like valve metal substrate formed with an isolating oxide film, thereby fabricating an electrode body for a solid electrolytic capacitor component, and mounting at least one solid electrolytic capacitor component thus fabricated on a lead frame, bonding one end portion region of an node lead portion of the lead frame to the other end portion region of a valve metal body whose surface is note roughened,

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thereby forming an anode lead electrode and connection a cathode lead portion of the lead frame to the conductive layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation Relevant of Prior Art

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Konuma et al. (US 6,807,049) disclose solid electrolytic capacitor and method for producing the same.

b. Fife et al. (US 6,674,635) disclose protective coating for electrolytic capacitor.

c. Yoshida et al. (US 6,464,739) disclose electrode for electrolytic capacitor and process of producing the same.

d. Kudoh et al. (US 6,206,937) disclose solid electrolytic capacitors comprising a conductive layer made of a polymer of pyrrole of its derivative and method for making the same.

e. Stiifer et al. (US 4,959,754) disclose electrolytic capacitor.

Conclusion

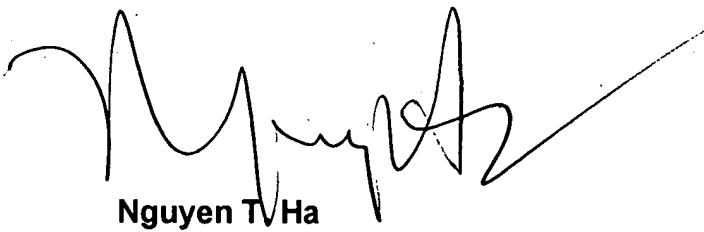
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T. Ha whose telephone number is 571-272-

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1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Nguyen T. Ha', with a long horizontal stroke extending to the right.

Nguyen T. Ha
April 14, 2006

NGUYEN T. HA
PRIMARY EXAMINER